# Kits for HVLP Sprayers

3A5024C
EN

***For repair of components in HVLP sprayers.***

## Important Safety Instructions

Read all warnings and instructions in your sprayer and gun manuals. Be familiar with the controls and the proper usage of the equipment. Save these instructions.

| **Related Manuals:** | |
|---|---|
| 3A4967 | FinishPro HVLP Sprayer |
| 3A4980 | HVLP Edge II/Edge II Plus Gun |

| Section | Description | Kit # |
|---|---|---|
| **Turbine Repair**, page 4 | 120VAC, 7.0 Models, | 17R936 |
| | 120VAC, 9.0 Models | 17R937 |
| | 120VAC, 9.5 Models | 17R938 |
| | 230VAC, 7.0 Models | 17R939 |
| | 230VAC, 9.0 Models | 17R940 |
| | 230VAC, 9.5 Models | 17R941 |
| **Control Board Repair**, page 6 | 120VAC, Standard Models | 17R942 |
| | 120VAC, ProContractor/ProComp Models | 17R943 |
| | 230VAC, Standard Models | 17R944 |
| | 230VAC, ProContractor/ProComp Models | 17R945 |
| **Potentiometer Repair**, page 8 | Standard Models | 17R946 |
| | ProContractor/ProComp Models | 17R948 |
| **Compressor Repair (ProComp Models only)**, page 11 | 120VAC Models | 17R962 |
| | 230VAC Models | 17R964 |

# Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

## ⚠WARNING

### ELECTRIC SHOCK HAZARD

This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.

- Turn off and disconnect power cord before servicing equipment.
- Connect only to grounded electrical outlets.
- Use only 3-wire extension cords.
- Ensure ground prongs are intact on power and extension cords.
- Do not expose to rain. Store indoors.

### PRESSURIZED EQUIPMENT HAZARD


Fluid from the equipment, leaks, or ruptured components can splash in the eyes or on skin and cause serious injury.

- Follow the **Pressure Relief Procedure** when you stop spraying/dispensing and before cleaning, checking, or servicing equipment.
- Tighten all fluid connections before operating the equipment.
- Check hoses, tubes, and couplings daily. Replace worn or damaged parts immediately.

### PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. This protective equipment includes but is not limited to:

- Protective eyewear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

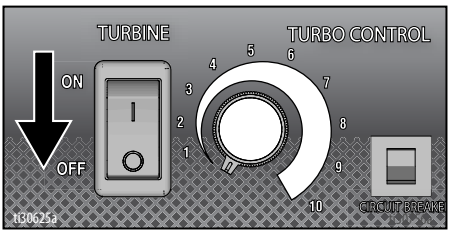
# Pressure Relief Procedure

Follow the Pressure Relief Procedure whenever you see this symbol.

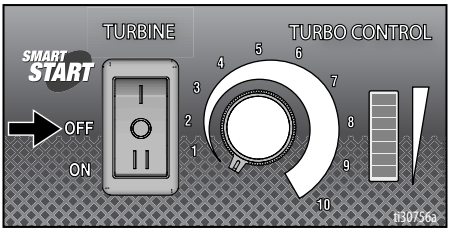
The spray gun cup is pressurized. To reduce the risk of splashing from pressurized fluid, always follow the **Pressure Relief Procedure** before removing cup.

1. Turn the ON/OFF switch to **OFF** position.

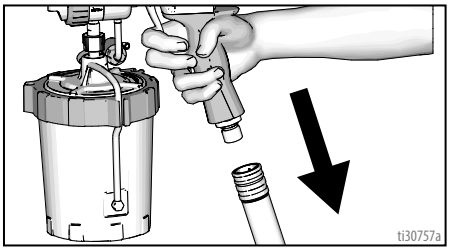
**Standard Models:**




**ProContractor and ProComp Models:**

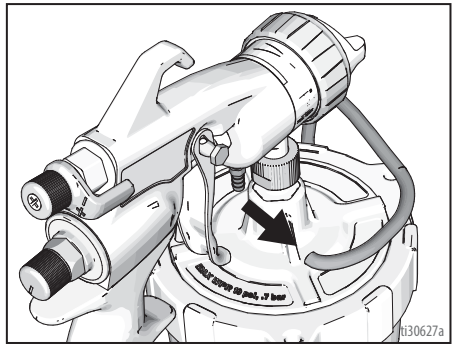



2. Unplug power cord to disconnect power.
3. Disconnect spray gun from air hose.



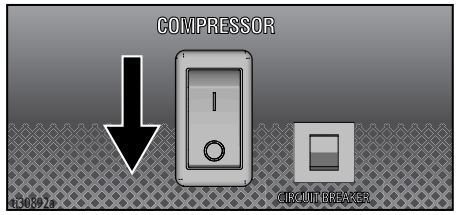

**If using a FlexLiner System:**

4. Disconnect tubing from gun to relieve pressure in the cup.

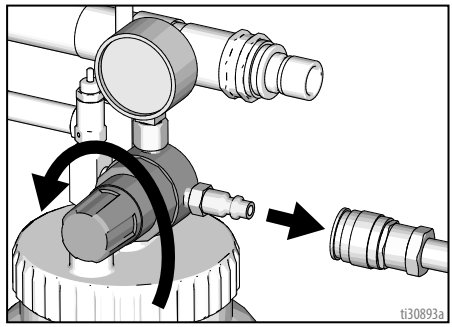



**If using a ProComp remote cup:**

5. Turn compressor ON/OFF switch to OFF position.




6. Disconnect air hose from remote cup. Turn out pressure regulator one turn. Wait until pressure is completely relieved before removing cover.



# Turbine Repair

## Standard Models


**NOTICE**

Use blue thread locker provided in turbine repair kit to avoid loosening of spacers due to turbine vibration. Failure to use thread locker may result in premature turbine failure.

Refer to the **Parts List - Standard Models**, page 13.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn power switch (36) to **OFF** and unplug the power cord to disconnect power.
3. Disconnect air hose from the turbine outlet.
4. Remove eight screws (16) and the top cover (31).

**NOTE:** Be cautious not to damage the wires that connect to the cover.

5. Remove five screws (16), disconnect air hose (29), and remove the rear panel (22).
6. Remove three screws (16) and the air filter housing (15). Remove gasket (14) from the filter housing (15) and discard.
7. Disconnect the motor leads from the control board (20).
8. Remove the 3 turbine mounting bolts (13) and spacers (9 & 11).
9. Remove the turbine assembly (12).
10. Remove plate (10) and gasket (8).
11. Remove three nuts (7) and gaskets (6).

### Installation:

1. Apply thread locker to studs on the turbine enclosure (1) and install three new nuts (7) and gaskets (6). Torque to 110-115 in-lb (12.5 - 13.0 N•m).
2. Install new turbine assembly (12) along with new plate (10) and gasket (8).
3. Apply thread locker to turbine mounting bolts (13) and slide into place through the spacers (9 & 11). Torque to 110-115 in-lb (12.5 - 13.0 N•m).
4. Connect motor leads to the control board (20). Refer to **Wiring Diagrams (Standard)**, page 18.
5. Place new gasket (14) onto filter housing (15) and install using 3 screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
6. Connect air hose (29) to rear panel (22) and install using five screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
7. Install top cover (31) using 8 screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).

## ProContractor & ProComp Models

**NOTICE**

Use blue thread locker provided in turbine repair kit to avoid loosening of spacers due to turbine vibration. Failure to use thread locker may result in premature turbine failure.

Refer to the **Parts List - ProContractor Models**, page 15 & **Parts List - ProComp Models**, page 17.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn the power switch (36) to **OFF** and unplug the power cord to disconnect power.
3. Disconnect air hose from the turbine outlet.
4. Remove eleven screws (16) and the top cover (31).

**NOTE:** Be cautious not to damage the wires that connect to the cover.

5. Remove six screws (16), disconnect air hose (18), and remove the rear panel (22).
6. Remove five screws (16), leaving two outlet valve (17) mounting screws (16) in place. Remove the front panel (30). Pull straight out to remove the outlet valve assembly (17) from the turbine (12) outlet.
7. Use a flat blade screwdriver to pry strain relief (39) from inner panel (15). Disconnect the monitor leads from the control board (20).
8. Loosen two mounting nuts (83) on the inner panel (15).
9. Remove the three turbine mounting bolts (13) and spacers (9 & 11) (Some models only have a single spacer).
10. Remove the turbine assembly (12). Remove the mounting plate (10) and gasket (8).
11. Remove three nuts (7) and gaskets (6).

### Installation:

1. Apply thread locker to studs on the turbine enclosure (1) and install three new nuts (7) and gaskets (6).
2. Install new turbine assembly (12) along with new plate (10) and gasket (8).
3. Apply blue thread locker to turbine mounting bolts (13) and slide into place through the spacers (9 & 11). Torque to 110-115 in-lb (12.5 - 13.0 N•m).
4. Tighten the mounting nuts (83) on the inner panel (15). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
5. Route the turbine (12) leads through the strain relief (39) and install back into inner panel (15).
6. Connect motor leads to the control board (20). Refer to **Wiring Diagrams (ProContractor)**, page 19 and **Wiring Diagrams (ProComp)**, page 20.
7. Install the front panel (30) using five screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
8. Connect air hose (18) to rear panel (22) and install using six screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
9. Install top cover (31) using eleven screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).

# Control Board Repair

## Standard Models

Refer to the **Parts List - Standard Models**, page 13.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn the power switch (36) to **OFF** and unplug the power cord to disconnect power.
3. Remove eight screws (16) and the top cover (31).

**NOTE:** Be cautious not to damage the wires that connect to the cover.

4. Remove five screws (16), disconnect air hose (29), and remove the rear panel (22).
5. Disconnect turbine motor leads (12) and the potentiometer (45) from the control board (20). Refer to **Wiring Diagrams (Standard)**, page 18.
6. Disconnect control board leads to the power switch (36) and power cord receptacle (23). Refer to **Wiring Diagrams (Standard)**, page 18.
7. Remove four control board mounting screws (21) and remove control board (20).

### Installation:

1. Install new control board (20) using four screws (21). Torque to 15-20 in-lbs (1.7 - 2.3 N•m).
2. Connect control board leads to the power switch (36) and power cord receptacle (23). Refer to **Wiring Diagrams (Standard)**, page 18.
3. Connect turbine motor leads (12) and potentiometer (45) to the new control board (20). Refer to **Wiring Diagrams (Standard)**, page 18.
4. Connect air hose (29) to rear panel (22) and install using five screws (16).Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
5. Install top cover (31) using eight screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).

## ProContractor & ProComp Models

Refer to the **Parts List - ProContractor Models**, page 15 & **Parts List - ProComp Models**, page 17.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn the power switch (36) to **OFF** and unplug the power cord to disconnect power.
3. Remove eleven screws (16) and the top cover (31).

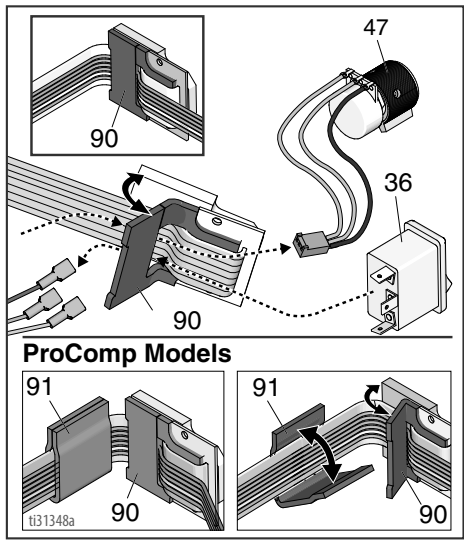
**NOTE:** Be cautious not to damage the wires that connect to the cover.

4. Remove two screws (21) that mount the TurboControl LED (20a) to the top cover.
5. Peel foam gasket (90) back and remove wires from power switch (36) and potentiometer (47) from the wire bundle. Refer to Fig. 1.
6. For ProComp models, peel open foam gasket (91) to remove wire bundle and discard.
7. Remove six screws (16), disconnect air hose (18), and remove rear panel (22).
8. Disconnect all leads going to and from the control board (20). Refer to **Wiring Diagrams (ProContractor)**, page 19 and **Wiring Diagrams (ProComp)**, page 20.
9. Remove the air line (19) going to control board (20).
10. Remove four control board mounting screws (21) and remove control board (20).

### Installation:

1. Install new control board (20) using four screws (21). Torque to 15-20 in-lbs (1.7 - 2.3 N•m).
2. Connect the air line (19) to the control board (20).
3. Peel off the paper backing and place sticky side of foam gasket (88) onto the TurboControl LED (20a). Install mounting screws (21) to top cover (31). Torque to 15-20 in-lbs (1.7 - 2.3 N•m).
4. Route ribbon cable from TurboControl LED (20a), wires from potentiometer (47), and wires from power switch (36) through the foam gasket (90) as shown. Place sticky side of foam gasket (90) down onto the TurboControl LED (20a). Refer to Fig. 1.
5. For ProComp models, wrap foam gasket (91) around the wire bundle to protect against damage from the compressor power switch (77).
6. Connect all leads going to and from the control board (20). Refer to **Wiring Diagrams (ProContractor)**, page 19 and **Wiring Diagrams (ProComp)**, page 20.
7. Connect air hose (18) to rear panel (22) and install using six screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
8. Install top cover (31) using eleven screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).

Fig. 1



# Potentiometer Repair

## Standard Models

Refer to the **Parts List - Standard Models**, page 13.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn power switch (36) to **OFF** and unplug the power cord to disconnect power.
3. Loosen two set screws and remove the knob (37).
4. Remove eight screws (16) and the top cover (31).

**NOTE:** Be cautious not to damage the wires that connect to the cover.

5. Remove mounting nut and washer of potentiometer (45) from the top cover (31).
6. Disconnect potentiometer (45) from the control board (20).

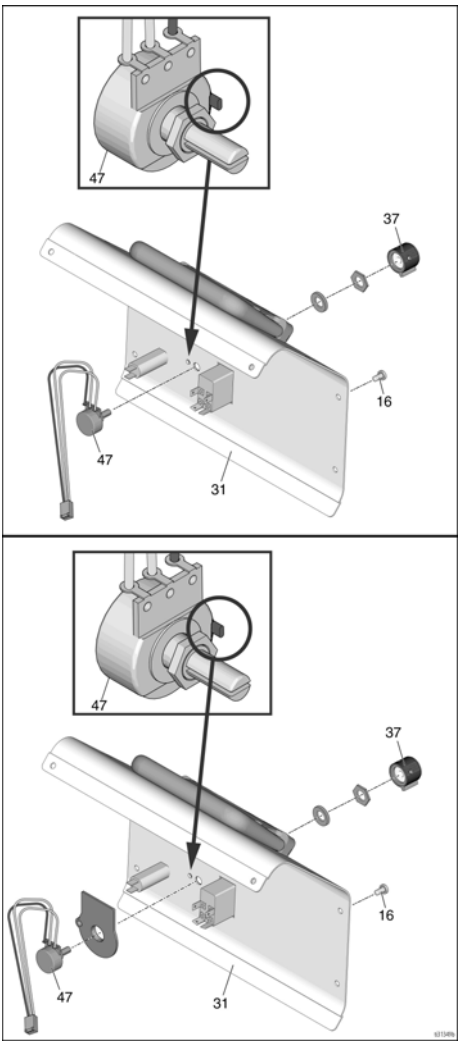
### Installation:

1. Connect new potentiometer (45) to the control board (20). Refer to **Wiring Diagrams (Standard)**, page 18.
2. Remove the mounting nut from the potentiometer (leave washer in place)* and slide through opening in the top cover (31). For proper alignment, the locating tab on the potentiometer (45) should be inserted into the hole in the top cover (31). Refer to Fig. 2.

*Remove and discard plain washer if unit has Isolator (17X783).

3. Install the mounting nut. Torque to 10-15 in-lb (1.1 - 1.7 N•m).
4. Install top cover (31) using eight screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
5. Rotate the shaft of the potentiometer (45) clockwise as far as it can go. Slide the knob (37) over the shaft and align the pointer to the maximum setting on the control label (35). While applying a light pressure to the knob (37), tighten the two set screws to 3-5 in-lb (0.3 - 0.6 N•m).

Fig. 2



## ProContractor & ProComp Models

Refer to the **Parts List - ProContractor Models**, page 15 & **Parts List - ProComp Models**, page 17.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn power switch (36) to **OFF** and unplug the power cord to disconnect power.
3. Loosen the two set screws and remove the knob (37).
4. Remove eleven screws (16) and the top cover (31).

**NOTE:** Be cautious not to damage the wires that connect to the cover..

5. Remove mounting nut and washer of potentiometer (45) from the top cover (31).
6. For ProComp models only, peel open foam gasket (91) to remove wire bundle and discard. See Fig. 1 on page 7.
7. Disconnect potentiometer (47) from control board (20).
8. Peel foam gasket (90) attached to top cover (31) back and slide the potentiometer (47) wires from the bundle. See Fig. 1 on page 7.

# Potentiometer Repair

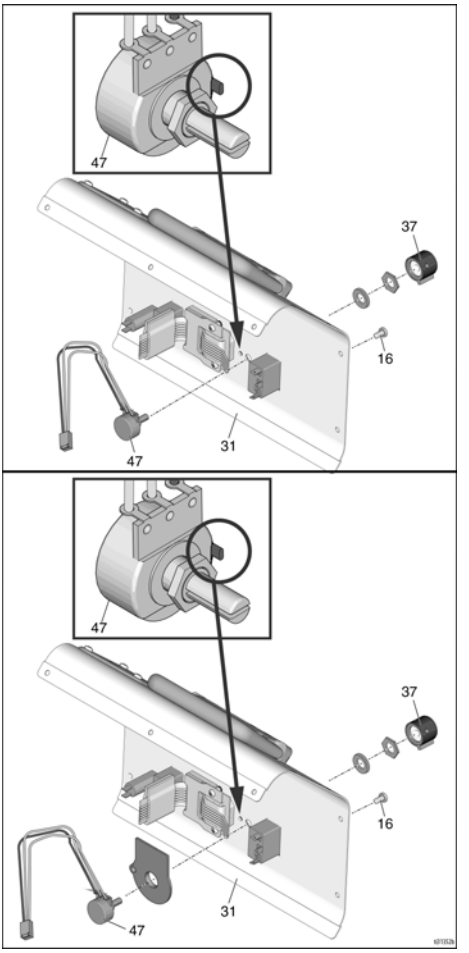
**Installation:**

1. Route the wire from the new potentiometer (47) through the foam gasket (90).
2. Connect potentiometer (47) to the control board (20). Refer to **Wiring Diagrams (ProContractor)**, page 19 and **Wiring Diagrams (ProComp)**, page 20.
3. For ProComp models, wrap the foam gasket (91) around the wire bundle to protect against damage from the compressor power switch (77).
4. Remove the mounting nut from the potentiometer (leave washer in place)* and slide through opening in the top cover (31). For proper alignment, the locating tab on the potentiometer (47) should be inserted into the hole in the top cover (31). Refer to Fig. 3.

*Remove and discard plain washer if unit has Isolator (17X783).

5. Install the mounting nut. Torque to 10-15 in-lb (1.1 - 1.7 N•m).
6. Install top cover (31) using eight screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
7. Rotate the shaft of the potentiometer (45) clockwise as far as it can go. Slide the knob (37) over the shaft and align the pointer to the maximum setting on the control label (35). While applying a light pressure to the knob (37), tighten the two set screws to 3-5 in-lb (0.3 - 0.6 N•m).

Fig. 3



# Compressor Repair (ProComp Models only)

Refer to the **Parts List - ProComp Models**, page 17.

### Removal:

1. Perform **Warnings**, page 2**.**
2. Turn the turbine power switch (36) to **OFF** and the compressor power switch (77) to **OFF**. Unplug the power cord to disconnect power.
3. Remove eleven screws (16) and the top cover (31).

**NOTE:** Be cautious not to damage the wires that connect to the cover.

4. Remove six screws (16), disconnect air hose (18), and remove the rear panel (22).
5. Remove the airline (81) from the front panel (30). Pay close attention to how the airline (81) is routed from the compressor (78) to the front panel (30).
6. Disconnect the leads from the fan (113), remove the mounting screws(112), nuts (114) and lock washers (28). Remove the fan (113) from the enclosure (1).
7. Disconnect the leads from the compressor (78). Refer to **Wiring Diagrams (ProComp)**, page 20.
8. Remove three screws (46) and lock washers (28) from the base of the enclosure (1).

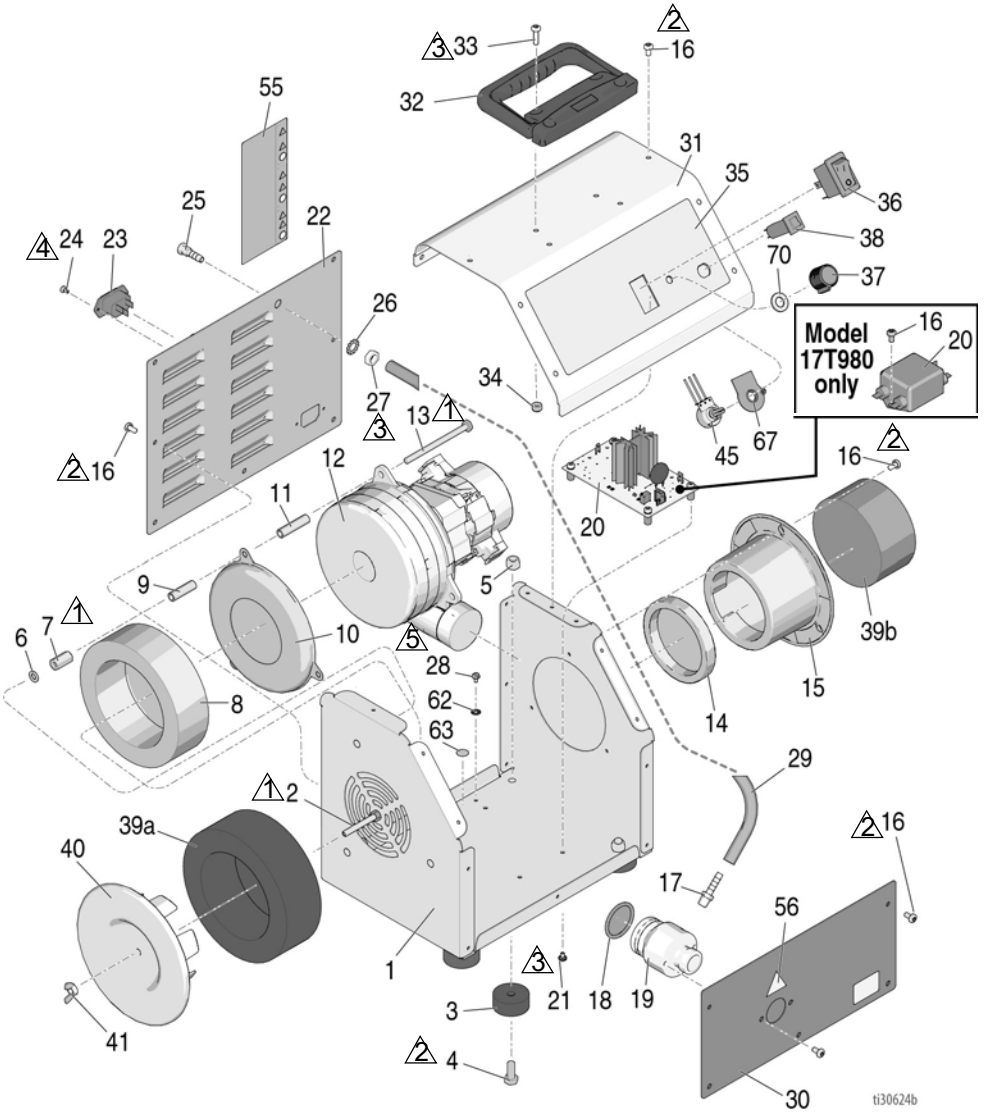
### Installation:

1. Install wire-tap connectors onto the new compressor (78) leads. For proper location, reference the compressor that was removed and the **Wiring Diagrams (ProComp)**, page 20.
2. Install new air line (81) onto the new compressor (78) outlet. Place the compressor (78) into the enclosure (1).
3. Apply thread locker to the compressor mounting screws (46) and install lock washers (28) and screws (46) through the base of the enclosure (1). Torque to 5-8 in-lb (0.5- 0.9 N•m).
4. Connect leads from the compressor (78). Refer to **Wiring Diagrams (ProComp)**, page 20.
5. Connect the airline (81) to the front panel (30), making sure the line isn't kinked.
6. Connect the fan (113) leads to the wire-tap connectors. Install fan (113) using the mounting screws (112), nuts (114), and lock washers (28). Torque to 15-20 in-lb (1.7 - 2.3 N•m).
7. Connect air hose (18) to rear panel (22) and install using six screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).
8. Install top cover (31) using eleven screws (16). Torque to 20-25 in-lbs (2.5 - 3.0 N•m).

# Parts

## Standard Models

| Ref. | Torque |
|---|---|
| 1 | 110-115 in-lb (12.5 - 13.0 N•m) |
| 2 | 20--25 in-lb (2.5 - 3.0 N•m) |
| 3 | 15-20 in-lb (1.7 - 2.3 N•m) |
| 4 | 10-15 in-lb (1.1 - 1.7 N•m) |
| 5 | 35-40 in-lb (4.0 - 4.5 N•m) |



# Parts List - Standard Models

| Ref. | Part | Description | Qty |
|---|---|---|---|
| 1 | 17R054 | BOX, bottom, painted | 1 |
| 2 | 129531 | SCREW, cap hex hd | 1 |
| 3 | 113817 | BUMPER | 4 |
| 4 | 100057 | SCREW, cap, hex hd | 4 |
| 5 | 111040 | NUT, lock, insert, nylock, 5/16 | 4 |
| 6 | 125135 | WASHER, flat | 3 |
| 7 | 129443 | NUT, coupler | 3 |
| 8 | | GASKET, turbine | 1 |
| | 15W153 | 7.0 Standard | |
| | 15W152 | 9.0 Standard | |
| 9 | | SPACER, back, turbine | 3 |
| | 17N374 | 7.0 Standard | |
| | 17N376 | 9.0 Standard | |
| 10 | 194094 | PLATE, turbine | 1 |
| 11 | | SPACER, front, turbine | 3 |
| | 17N373 | 7.0 Standard | |
| | 17N375 | 9.0 Standard | |
| 12 | | KIT, repair, turbine (includes 6, 7, 8, 9, 10, 11, 13, 14, 18) | 1 |
| | 17R936 | Model 17N263, 17T980, 17U105 | |
| | 17R937 | Model 17N264 | |
| | 17R939 | Models 17P528, 17P534, 17R074 | |
| | 17R940 | Models 17P529, 17P535, 17R075 | |
| 13 | 101530 | SCREW, cap | 3 |
| 14 | 192845 | GASKET, duct | 1 |
| 15 | 17N388 | HOUSING, filter, inlet, motor | 1 |
| 16 | 129444 | SCREW, machine, torx pan head | 23 |
| 17 | 15Y606 | FITTING, barbed | 1 |
| 18 | 17M388 | PACKING, o-ring | 1 |
| 19 | 17N436 | FITTING, outlet | 1 |
| 20 | | KIT, repair, control, board (includes 21) | 1 |
| | 17R942 | 120V Models | |
| | 17R943 | 230V Models | |
| | 116168 | Model 17T980 | |

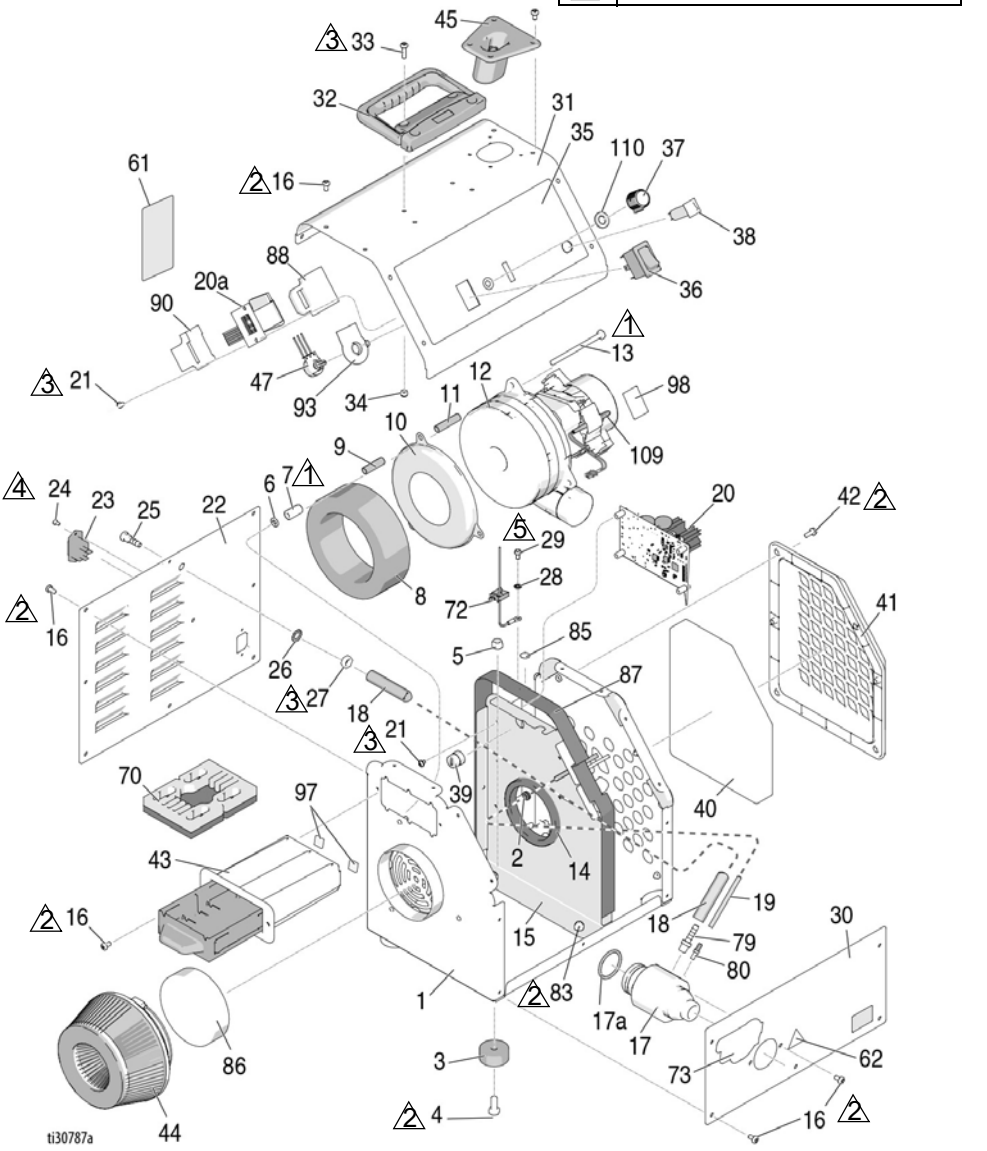
| Ref. | Part | Description | Qty |
|---|---|---|---|
| 21 | 108860 | SCREW, machine | 4 |
| 22 | 17R055 | COVER, back, painted | 1 |
| 23 | 114064 | PLUG, inlet | 1 |
| 24 | 15W998 | SCREW, mach, torix | 2 |
| 25 | 17N459 | FITTING, barbed, exhaust | 1 |
| 26 | 100639 | WASHER, lock | 1 |
| 27 | 101448 | NUT, jam | 1 |
| 28 | 111593 | SCREW, grounding | 1 |
| 29 | 17N871 | HOSE, air | 1 |
| 30 | 17R056 | COVER, front, painted | 1 |
| 31 | 17X786 | KIT, cover | 1 |
| 32 | 17N390 | HANDLE, carry, pivot | 1 |
| 33 | 17R608 | SCREW, mach, torx pan hd | 4 |
| 34 | 116969 | NUT, lock | 4 |
| 35 | | LABEL, standard series | 1 |
| | 17P297 | 7.0 Standard | |
| | 17P298 | 9.0 Standard | |
| | 17U103 | Model 17T980 | |
| 36 | 120660 | SWITCH, rocker | 1 |
| 37 | 17N957 | KNOB, potentiometer | 1 |
| 38 | | CIRCUIT, breaker | 1 |
| | 114403 | 120V Models | |
| | 16A348 | 230V Models | |
| 39 | 17R296 | KIT, filter (includes 39a, 39b) | 1 |
| 40 | 17N387 | COVER, filter, turbine | 1 |
| 41 | 100011 | NUT, wing | 1 |
| 45 | 17R946 | KIT, repair, potentiometer (includes 37, 67) | 1 |
| 55▲ | 17R297 | LABEL, warning | 1 |
| 56▲ | 15K616 | LABEL, caution | 1 |
| 62 | 102063 | WASHER, lock, ext | 1 |
| 63▲ | 186620 | LABEL, symbol, ground | 1 |
| 67 | 17X783 | ISOLATOR | 1 |
| 69▲ | 17R747 | LABEL, set, international (not shown) | 1 |
| 70 | 17X785 | WASHER, nylon | 1 |

▲ *Replacement Danger and Warning labels, tags, and cards are available at no cost.*

# Parts

## ProContractor Models

| Ref. | Torque |
|---|---|
| 1 | 110-115 in-lb (12.5 - 13.0 N•m) |
| 2 | 20--25 in-lb (2.5 - 3.0 N•m) |
| 3 | 15-20 in-lb (1.7 - 2.3 N•m) |
| 4 | 10-15 in-lb (1.1 - 1.7 N•m) |
| 5 | 35-40 in-lb (4.0 - 4.5 N•m) |



# Parts List - ProContractor Models

| Ref. | Part | Description | Qty |
|---|---|---|---|
| 1 | 17R057 | BOX, bottom, painted | 1 |
| 2 | 129604 | GROMMET, rubber | 1 |
| 3 | 113817 | BUMPER | 4 |
| 4 | 100057 | SCREW, cap, hex hd | 4 |
| 5 | 111040 | NUT, lock, insert, nylock, 5/16 | 4 |
| 6 | 125135 | WASHER, flat | 3 |
| 7 | 129443 | NUT, coupler | 3 |
| 8 | | GASKET, turbine | 1 |
| | 15W153 | 7.0 ProContractor | |
| | 15W152 | 9.0 ProContractor | |
| | 192788 | 9.5 ProContractor | |
| 9 | | SPACER, back, turbine | 3 |
| | 17N374 | 7.0 ProContractor | |
| | 17N376 | 9.0 ProContractor | |
| 10 | 194094 | PLATE, turbine | 1 |
| 11 | | SPACER, front, turbine | 3 |
| | 17N373 | 7.0 ProContractor | |
| | 17N375 | 9.0 ProContractor | |
| | 17N377 | 9.5 ProContractor | |
| 12 | | KIT, repair, turbine (includes 6, 7, 8, 9, 10, 11, 13, 14, 17a) | 1 |
| | 17R936 | Model 17N265 | |
| | 17R937 | Model 17N266 | |
| | 17R938 | Model 17N267, 17T982 | |
| | 17R939 | Models 17P530, 17P536, 17R078 | |
| | 17R940 | Models 17P531, 17P537, 17R079 | |
| | 17R941 | Models 17P532, 17P538, 17R080 | |
| 13 | 101530 | SCREW, cap | 3 |
| 14 | 192845 | GASKET, duct | 1 |
| 15 | 17N481 | PANEL, wall, inner | 1 |
| 16 | 129444 | SCREW, machine, torx pan head | 28 |
| 17 | 17N425 | VALVE, check | 1 |
| 17a | 17M388 | PACKING, o-ring | 1 |
| 18 | 17N871 | HOSE, air | 1 |
| 19 | 17R093 | TUBE, air, sensor | 1 |
| 20 | | KIT, repair, control board (includes 21, 88, 90) | 1 |
| | 17R944 | 120V Models | |
| | 17R945 | 230V Models | |
| 21 | 108860 | SCREW, machine | 6 |
| 22 | 17R058 | COVER, back, painted | 1 |
| 23 | 114064 | PLUG, inlet | 1 |
| 24 | 15W998 | SCREW, mach, torx | 2 |
| 25 | 17N459 | FITTING, barbed, exhaust | 1 |
| 26 | 100639 | WASHER, lock | 1 |
| 27 | 101448 | NUT, jam | 1 |
| 28 | 102063 | WASHER, lock | 1 |
| 29 | 111593 | SCREW, grounding | 1 |
| 30 | 17N477 | COVER, front, painted | 1 |
| 31 | 17X788 | KIT, cover | 1 |
| 32 | 17N390 | HANDLE, carry, pivot | 1 |
| 33 | 17R608 | SCREW, mach, torx pan hd | 4 |
| 34 | 116969 | NUT, lock | 4 |
| 35 | | LABEL, ProContractor series | 1 |
| | 17P299 | 7.0 ProContractor | |
| | 17P300 | 9.0 ProContractor | |
| | 17P301 | 9.5 ProContractor | |
| 36 | 129590 | SWITCH, power | 1 |
| 37 | 17N957 | KNOB, potentiometer | 1 |
| 38 | | CIRCUIT BREAKER | 1 |
| | 114403 | 120V Models | |
| | 16A348 | 230V Models | |
| 39 | 114689 | BUSHING, strain relief | 1 |
| 40* | 17R298 | FILTER, air, motor | 1 |
| 41 | 17N467 | COVER, filter | 1 |
| 42 | 129666 | SCREW, mach | 4 |
| 43 | 17N930 | DRAWER, tool | 1 |
| 44* | 17R298 | FILTER, air, turbine | 1 |
| 45 | 17P447 | HOLDER, gun | 1 |
| 47 | 17R948 | POTENTIOMETER, assy (includes 21, 37, 88, 90, 93) | 1 |
| 61▲ | 17R297 | LABEL, warning | 1 |
| 62▲ | 15K616 | LABEL, caution | 1 |
| 70 | 17P909 | INSERT, toolbox | 1 |
| 72 | 117727 | CLIP, wire | 1 |
| 73 | 17J933 | LABEL, SmartStart | 1 |
| 79 | 15Y606 | FITTING, barbed | 1 |
| 80 | M70394 | FITTING, barbed | 1 |
| 83 | 102040 | NUT, lock | 2 |
| 85 | 186620 | LABEL, ground | 1 |
| 86* | 17R298 | FILTER, air, turbine | 1 |
| 87 | 17P656 | GASKET, wall, inner | 1 |
| 88 | 17P789 | GASKET, board, display | 1 |
| 90 | 17R394 | GASKET, barrier, ribbon | 1 |
| 93 | 17X783 | ISOLATOR | 1 |
| 97 | 17R769 | PAD, drawer | 1 |
| 98 | 17S011 | TAPE, high temp | 1 |
| 99▲ | 17R747 | LABEL, set, international (not shown) | 1 |
| 109 | 17R638 | THERMISTER, harness | 1 |
| 110 | 17X785 | WASHER, nylon | 1 |

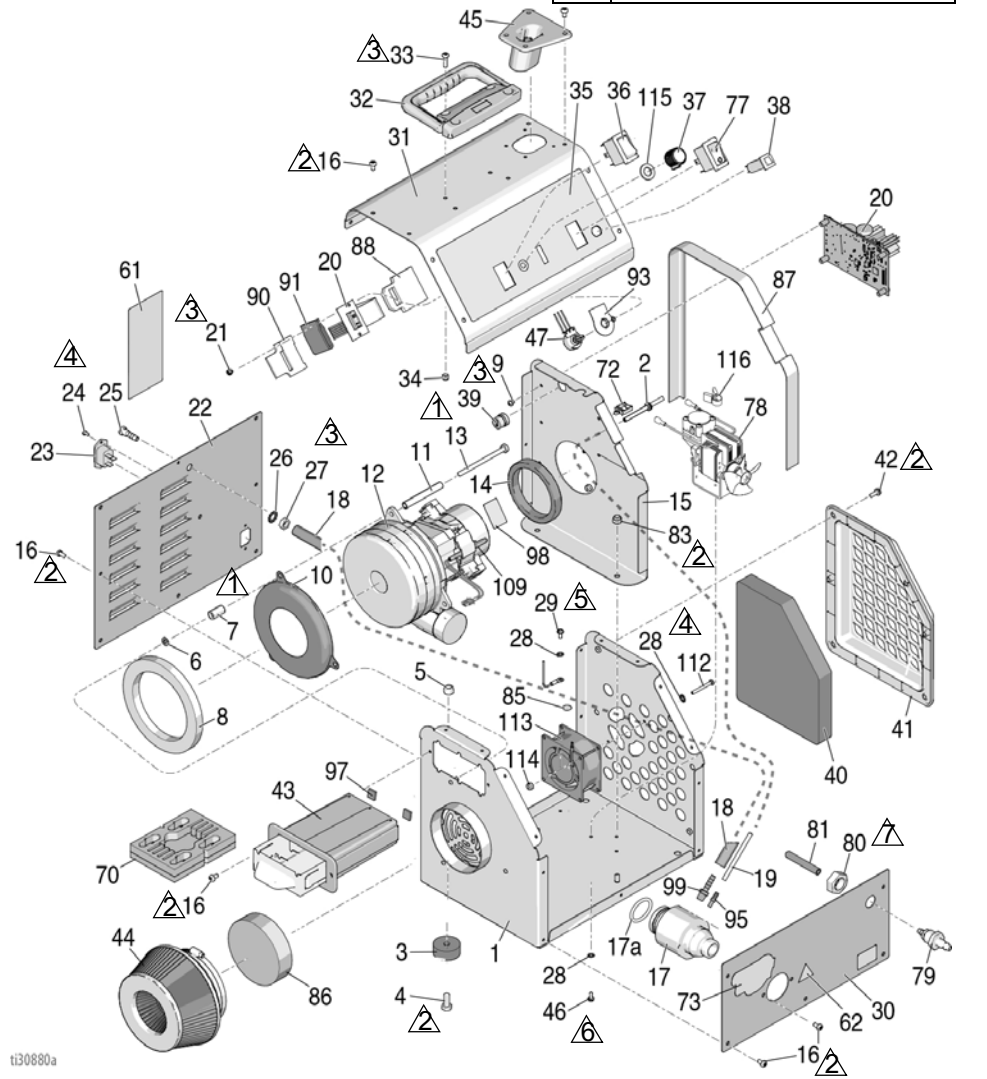
▲ *Replacement Danger and Warning labels, tags, and cards are available at no cost.*

** Filter Kit 17R298 includes items 40, 44, 86*

# Parts

## ProComp Models

| Ref. | Torque |
|---|---|
| 1 | 110-115 in-lb (12.5 - 13.0 N•m) |
| 2 | 20--25 in-lb (2.5 - 3.0 N•m) |
| 3 | 15-20 in-lb (1.7 - 2.3 N•m) |
| 4 | 10-15 in-lb (1.1 - 1.7 N•m) |
| 5 | 35-40 in-lb (4.0 - 4.5 N•m) |
| 6 | 5-8 in-lb (0.5 - 0.9 N•m) |
| 7 | 20-23 ft-lb (28.0 - 31.0 N•m) |



# Parts List - ProComp Models

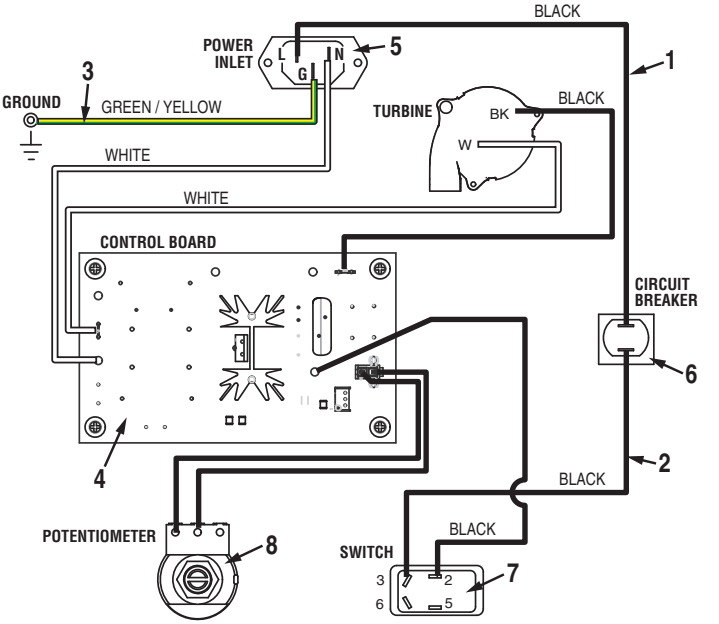
| Ref. | Part | Description | Qty |
|---|---|---|---|
| 1 | 17R057 | BOX, bottom, painted | 1 |
| 2 | 129604 | GROMMET, rubber | 1 |
| 3 | 113817 | BUMPER | 4 |
| 4 | 100057 | SCREW, cap, hex hd | 4 |
| 5 | 111040 | NUT, lock, insert, nylock, 5/16 | 4 |
| 6 | 125135 | WASHER, flat | 3 |
| 7 | 129443 | NUT, coupler | 3 |
| 8 | 192788 | GASKET, turbine | 1 |
| 10 | 194094 | PLATE, turbine | 1 |
| 11 | 17N377 | SPACER, front, turbine | 3 |
| 12 | | KIT, repair, turbine (includes 6, 7, 8, 9, 10, 11, 13, 14, 17a) | 1 |
| | 17R938 | Model 17N269 | |
| | 17R941 | Models 17P533, 17P539, 17R081 | |
| 13 | 101530 | SCREW, cap | 3 |
| 14 | 192845 | GASKET, duct | 1 |
| 15 | 17N481 | PANEL, wall, inner | 1 |
| 16 | 129444 | SCREW, machine, torx pan head | 28 |
| 17 | 17N425 | VALVE, check | 1 |
| 17a | 17M388 | PACKING, o-ring | 1 |
| 18 | 17N871 | HOSE, air | 1 |
| 19 | 17R093 | TUBE, air, sensor | 1 |
| 20 | | CONTROL, board, assembly, (includes 21, 88, 90, 91) | 1 |
| | 17R944 | Model 17N269 | |
| | 17R945 | Models 17P533, 17P539, 17R081 | |
| 21 | 108860 | SCREW, machine | 6 |
| 22 | 17R058 | COVER, back, painted | 1 |
| 23 | 114064 | PLUG, inlet | 1 |
| 24 | 15W998 | SCREW, mach, torix | 2 |
| 25 | 17N459 | FITTING, barbed, exhaust | 1 |
| 26 | 100639 | WASHER, lock | 1 |
| 27 | 101448 | NUT, jam | 1 |
| 28 | 102063 | WASHER, lock | 8 |
| 29 | 111593 | SCREW, grounding | 1 |
| 30 | 17P294 | COVER, front | 1 |
| 31 | 17X787 | KIT, cover | 1 |
| 32 | 17N390 | HANDLE, carry, pivot | 1 |
| 33 | 17R608 | SCREW, mach, torx pan hd | 4 |
| 34 | 116969 | NUT, lock | 4 |
| 35 | 17P302 | LABEL, ProComp 9.5 | 1 |
| 36 | 129590 | SWITCH, power | 1 |
| 37 | 17N957 | KNOB, potentiometer | 1 |
| 38 | | CIRCUIT BREAKER | 1 |
| | 114403 | Model 17N269 | |
| | 16A348 | Models 17P533, 17P539, 17R081 | |
| 39 | 114689 | BUSHING, strain relief | 1 |
| 40* | 17R298 | FILTER, air, motor | 1 |
| 41 | 17N467 | COVER, filter | 1 |
| 42 | 129666 | SCREW, mach | 4 |
| 43 | 17N930 | DRAWER, tool | 1 |
| 44* | 17R298 | FILTER, air, turbine | 1 |
| 45 | 17P447 | HOLDER, gun | 1 |
| 46 | 116431 | SCREW, mach, hex wash hd | 3 |
| 47 | 17R948 | POTENTIOMETER, assy (includes 21, 37, 88, 90, 91, 93) | 1 |
| 61▲ | 17R297 | LABEL, warning | 1 |
| 62▲ | 15K616 | LABEL, caution | 1 |
| 70 | 17P909 | INSERT, toolbox | 1 |
| 72 | 117727 | CLIP, wire | 1 |
| 73 | 17J933 | LABEL, SmartStart | 1 |
| 77 | 120660 | SWITCH, rocker | 1 |
| 78 | | KIT, repair, compressor | 1 |
| | 17R962 | Model 17N269 (includes 46, 81, 116) | |
| | 17R964 | Models 17P533, 17P539, 17R081 (includes 46, 81) | |
| 79 | 15X246 | FITTING, connect, quick | 1 |
| 80 | 101936 | NUT, jam, hex | 2 |
| 81 | | TUBE, air | 1 |
| | 17Y952 | 120V Models | |
| | 17R735 | 230V Models | |
| 83 | 102040 | NUT, lock | 2 |
| 85 | 186620 | LABEL, ground | 1 |
| 86* | 17R298 | FILTER, air, turbine | 1 |
| 87 | 17P656 | GASKET, wall, inner | 1 |
| 88 | 17P789 | GASKET, board, display | 1 |
| 90 | 17R394 | GASKET, barrier, ribbon | 1 |
| 91 | 17R395 | GASKET, barrier, ribbon, LED | 1 |
| 93 | 17X783 | ISOLATOR | 1 |
| 94 | 15Y606 | FITTING, barbed | 1 |
| 95 | M70394 | FITTING, barbed | 1 |
| 97 | 17R769 | PAD, drawer | 1 |
| 98 | 17S011 | TAPE, high temp | 1 |
| 99▲ | 17R747 | LABEL, set, international (not shown) | 1 |
| 109 | 17R638 | THERMISTOR, harness | 1 |
| 112 | 120094 | SCREW | 2 |
| 113 | | FAN | 1 |
| | 17S031 | Model 17N269 | |
| | 17S141 | Models 17P533, 17P539, 17R081 | |
| 114 | 109466 | NUT, lock | 2 |
| 115 | 17X785 | WASHER, nylon | 1 |
| 116 | 115489 | CLAMP | 1 |

▲ *Replacement Danger and Warning labels, tags, and cards are available at no cost.*

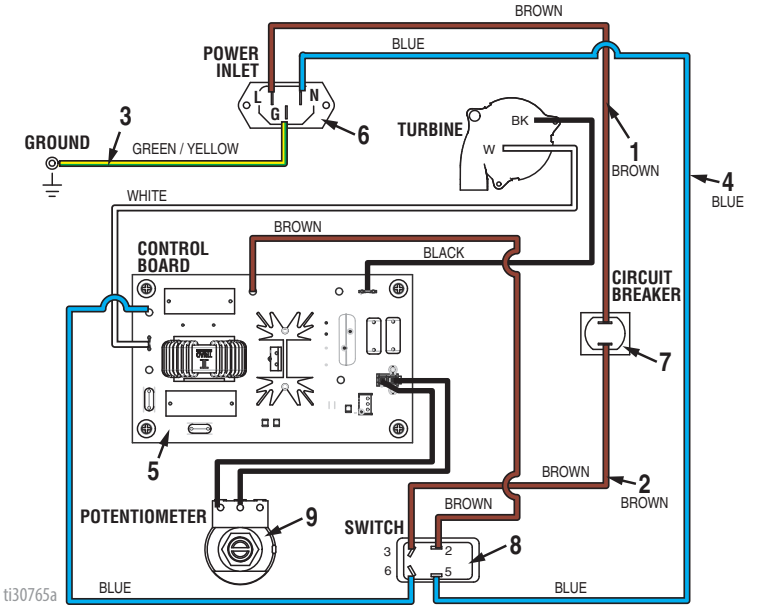
** Filter Kit 17R298 includes items 40, 44, 86*

# Wiring Diagrams (Standard)

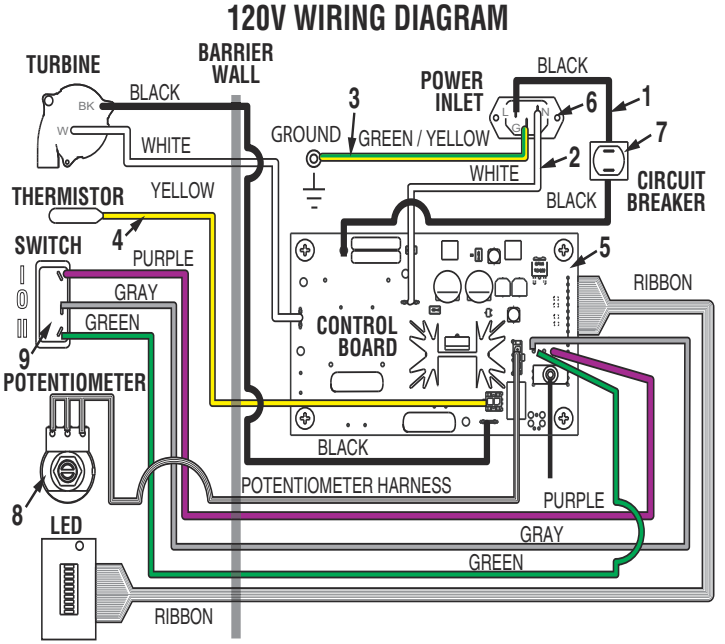
## 120V WIRING DIAGRAM

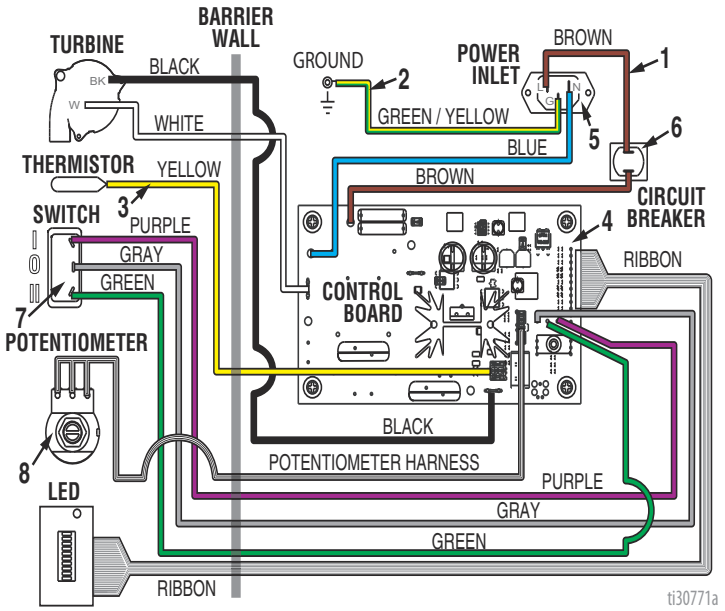



## 230V WIRING DIAGRAM

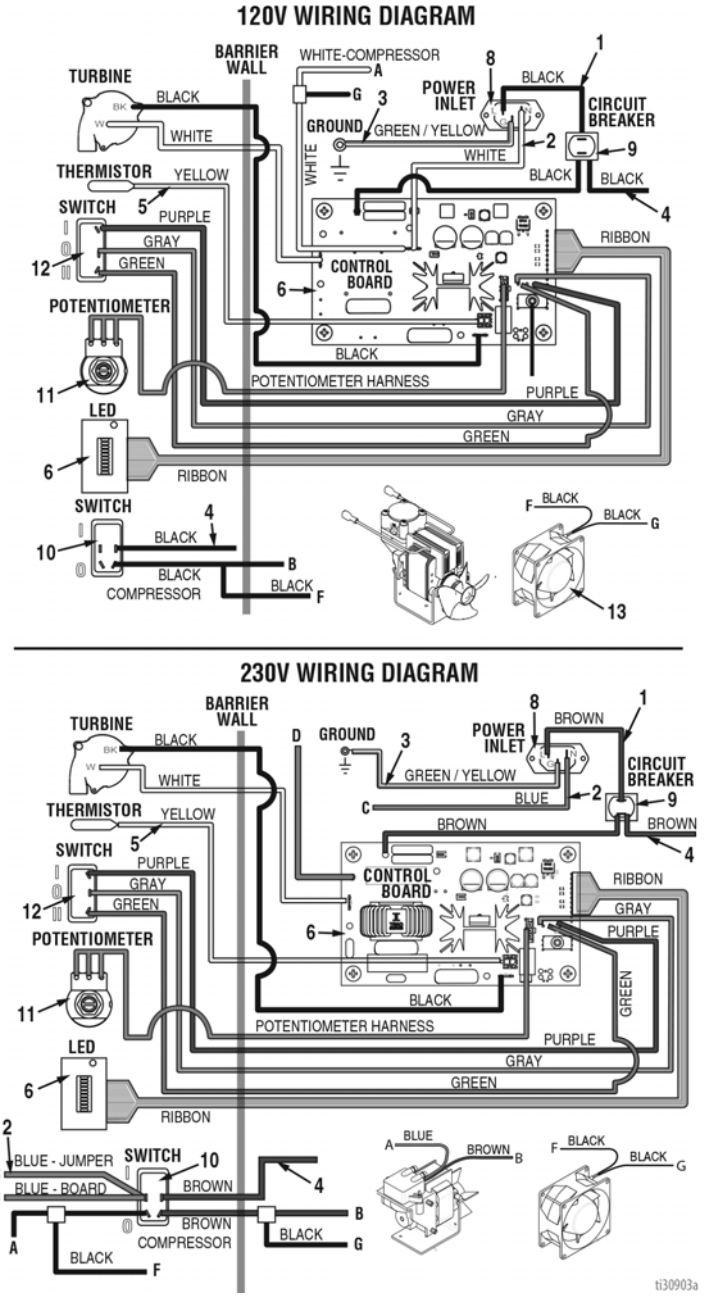


# Wiring Diagrams (ProContractor)



# Wiring Diagrams (ProComp)



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